### **BIDDING ADDENDUM NO. 1**

TO THE DRAWINGS AND PROJECT MANUAL FOR THE CONSTRUCTION OF THE

### PARTIAL ROOF REPLACEMENTS FOR ANDERSON COUNTY SCHOOLS:

### **GRAND OAKS ELEMENTARY SCHOOL**

1033 OLIVER SPRINGS HIGHWAY CLINTON, TN 37716

NET ZERO BUILDING AT CLINTON HIGH SCHOOL 425 DRAGON DRIVE CLINTON, TN 37716

**AND** 

OFFICE OF TECHNOLOGY 141 E. BROAD STREET CLINTON, TN 37716

**FOR** 

### **CLIENT**

**ROOF DESIGN WORKS, INC.** 

PO BOX 12716 KNOXVILLE, TENNESSEE 37912

### **ARCHITECT**

ARCHITECTS WEEKS AMBROSE MCDONALD, INC.

30 MARKET SQUARE KNOXVILLE, TENNESSEE 37902

March 8, 2024

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The drawings and specifications dated February 1, 2024 are hereby amended as described in the following list of changes thereto:

### A. SPECIFICATIONS

- 1. Page 00 41 13.1: Change "Katherine Ajmeri" to "Katherine Kleehammer".
- 2. Page 00 41 13.2: Insert: "NOTE: The Contractor will schedule the start date, based on available materials and labor, no later than June 17, 2024. The signed Contract, and Payment and Performance Bonds will be required by then also."
- Page 07 53 23.4 Under Part 2, 2.2, A, 1. Insert "d. John Mansfield."

### **B. DRAWINGS**

- 1. Drawing R1.1: In H11 Partial Roof Plan Area A. Grand Oaks Elementary, change the scale to 1/16 = 1'-0".
- 2. Drawing R1.3: Replace Detail F14 with attached Revision Drawing RR-1.

### C. CLARIFICATIONS

1. Section 07 31 13.1-7: Section 1.10 A. covers the Manufacturer's Warranties. Section 1.10 B. covers the Installer's Warranty. See Section 3.5 for the Roofing Installer's Warranty.

### **END OF ADDENDUM #1**

22004 PARTIAL ROOF REPLACEMENT OF CLINTON HIGH SCHOOL BIDDING ADDENDA



		SECTIO	N 00 41 13 - BID F	ORM - STIPUL	ATED SUM	Date		
TO:	Dep And 100	Ms. Katherine Kleehammer Deputy Purchasing Agent Anderson County 100 N. Main Street, Suite 214 Clinton, Tennessee 37716		AND	Mr. Bobby Crawf Director of Mainto Anderson County 1010 Clinch Avei Clinton, Tenness	enance y Board of Education nue		
	PRO	DJECT:	PARTIAL ROOF F	REPLACEMENT	FOR ANDERSO	N COUNTY SCHOOLS:		
	GRAND OAKS ELEMENTARY SCHOOL 1033 OLIVER SPRINGS HIGHWAY CLINTON, TN 37716							
	NET ZERO BUILDING AT CLINTON HIGH SCHOOL 425 DRAGON DRIVE CLINTON, TN 37716							
	ANE	)						
	141	PFFICE OF TECHNOLOGY 41 E. BROAD STREET SLINTON, TN 37716						
					BID NO. 2425			
the pro	pose ents	d construct	tion and has received cluded their provision	ed and examine	ed the Project Mai	ited and examined the site of nual, the Drawings, and other er acknowledges that he has		
Adden	dum 1	No,	Dated	Ad	dendum No	_, Dated		
In subr	nitting	g this Bid, th	he Bidder agrees:					
		To hold op	pen his Bid for 30 dante	,		of this Bid, and to furnish the		
	3.	To abide by Public Chapter 587 of 2007, as codified in Tennessee Code Annotated Section 49-5-413 as stipulated on the Background Check Compliance Form to be submitted with bid.						
	4.	To accomplish work in accord with the Contract Documents.						
	5.	To achieve substantial completion of Base Bid, and accepted alternates 90 calendar days						
	6.	from and including the date stipulated within the Notice to Proceed.  To maintain existing roof in watertight condition at no additional cost to Owner during the period of Contract Award Time.						
	7.				ges in the amount	of \$200.00 per calendar day.		

BASE BID

The Bidder agrees to construct the Work of the Base Bid for this project for the lump sum price of (show amount in both words and figures) (All allowances described in section 01 21 00 are to be included in the base bid price):

Dollars \$_	

## **UNIT PRICES**

A.	Treated Wood Nailer Replacement					
	For Pressure Treated: 2 X 4 \$ per linear foot.  For Pressure Treated: 2 X 6 \$ per linear foot.  For Pressure Treated: 2 X 8 \$ per linear foot.  For Pressure Treated: 2 X 10 \$ per linear foot.					
В.	Equipment Curb Replacement					
	Damaged or Non-Conforming Curb Replacement: \$per linear foot.					
C.	Metal Roof Deck Repair					
	Damaged Metal Roof Deck Repair: \$per square foot.					
D.	Exterior Grade Plywood Sheathing					
	1/2" Thick Ext. Grade Plywood (4'x8' Panel): \$per square foot. 3/4" Thick Ext. Grade Plywood (4'x8' Panel): \$per square foot.					
E.	Insulation Board Filler					
	1/2" thick HD polyisocyanurate roof insulation board: \$per square foot.					
late	FE: The Contractor will schedule the start date, based on available materials and labor, no r than June 17, 2024. The signed Contract, and Payment and Performance Bonds will be uired by then also					
Bid	Bidder acknowledges by his signature that he agrees to requirements contained in the Invitation to and the Instructions to Bidders and, that should he fail to execute a Contract with the Owner, should Owner award said Contract to him, that the Owner may rightfully collect the sum of the Bid Bond.					
The	required Bid Security is attached to this Bid.					
Nan	ne of Firm					
Sigr	ned By					
Title	·					
Bido	der's Telephone Number					
	e: If a corporation, Bid must be signed by person authorized by the corporation by-laws to bind it to					
	A OF OFOTION 60 44 40					

**END OF SECTION 00 41 13** 

# SECTION 07 53 23 - EPDM MEMBRANE ROOFING (GRAND OAKS ELEMENTARY & OFFICE OF TECHNOLOGY)

### **PART 1 - GENERAL**

### 1.1 SUMMARY

- A. This Section includes the following:
  - 1. Adhered membrane roofing system.
  - 2. Roof insulation.
  - Insulation cover board.
  - 4. Roof insulation accessories.
    - a. Fasteners
    - b. Adhesives
- B. Related Sections include the following:
  - 1. Division 01 Section "Allowances".
  - 2. Division 01 Section "Unit Prices".
  - 3. Division 06 Section "Miscellaneous Rough Carpentry" for wood nailers, curbs, and blocking.
  - 4. Division 7 Section "Preparation for Re-Roofing".
  - 5. Division 7 Section "Sheet Metal Flashing and Trim" for flashing, coping, overflow scuppers, and gravel stop fascia.

### 1.2 DEFINITIONS

- A. Roofing Terminology: Refer to ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.
- B. Design Uplift Pressure: The uplift pressure, calculated according to procedures in SPRI's "Wind Load Design Guide for Fully Adhered and Mechanically Fastened Roofing Systems," before multiplication by a safety factor.
- C. Factored Design Uplift Pressure: The uplift pressure, calculated according to procedures in SPRI's "Wind Load Design Guide for Fully Adhered and Mechanically Fastened Roofing Systems," after multiplication by a safety factor.

### 1.3 PERFORMANCE REQUIREMENTS

- A. General: Provide installed roofing membrane and base flashings that remain watertight; do not permit the passage of water; and resist specified uplift pressures, thermally induced movement, and exposure to weather without failure.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing membrane manufacturer based on testing and field experience.
- C. FMG Listing: Provide roofing membrane, base flashings, and component materials that comply with requirements in FMG 4450 and FMG 4470 as part of a membrane roofing system and that are listed in FMG's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FMG markings.
  - 1. Fire/Windstorm Classification: Class 1A-75.
  - 2. Hail Resistance: MH.

D. Roofing System Design: Provide a membrane roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist the factored design uplift pressures calculated according to SPRI's "Wind Load Design Guide for Fully Adhered and Mechanically Fastened Roofing Systems."

### 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other Work.
  - Base flashings and membrane terminations.
- C. Samples for Verification: For the following products:
  - 12-by-12-inch (300-by-300-mm) square of sheet roofing, of color specified, including Tshaped side and end lap seam.
  - 2. 12-by-12-inch (300-by-300-mm) square of roof insulation.
- D. Installer Certificates: Signed by roofing system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install roofing system.
- E. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
  - 1. Submit evidence of meeting performance requirements.
- F. Qualification Data: For Installer and manufacturer.
- G. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for components of roofing system.
- H. Research/Evaluation Reports: For components of membrane roofing system.
- I. Maintenance Data: For roofing system to include in maintenance manuals.
- J. Warranties: Special warranties specified in this Section.
- K. Inspection Report: Copy of roofing system manufacturer's inspection report of completed roofing installation.

### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's warranty.
- B. Manufacturer Qualifications: A qualified manufacturer that has UL listing and FMG approval for membrane roofing system identical to that used for this Project.
- C. Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
- Source Limitations: Obtain components for membrane roofing system approved by roofing membrane manufacturer.

- E. Fire-Test-Response Characteristics: Provide membrane roofing materials with the fire-test-response characteristics indicated as determined by testing identical products per test method below by UL, FMG, or another testing and inspecting agency acceptable to authorities having jurisdiction. Materials shall be identified with appropriate markings of applicable testing and inspecting agency.
  - 1. Exterior Fire-Test Exposure: Class A; ASTM E 108, for application and roof slopes indicated.
  - 2. Fire-Resistance Ratings: ASTM E 119, for fire-resistance-rated roof assemblies of which roofing system is a part.
- F. Pre-Roofing Conference: Before starting roof construction, conduct conference at Project site. Comply with requirements for preinstallation conferences in Division 1 Section "Project Meetings." Review methods and procedures related to the roofing system including, but not limited to, the following:
  - 1. Meet with Roof Consultant; roofing Installer; and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
  - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
  - 3. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  - 4. Review structural loading limitations of roof deck during and after roofing.
  - 5. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
  - 6. Review governing regulations and requirements for insurance and certificates if applicable.
  - 7. Review temporary protection requirements for roofing system during and after installation.
  - 8. Review roof observation and repair procedures after roofing installation.
- G. An English speaking person is required to be on-site at all times when work is being performed by the Contractor. The designated English speaking person will communicate with the building occupants, maintenance personnel and the Roofing Consultant.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
  - Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.

### 1.6 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

### 1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form, without monetary limitation, in which manufacturer agrees to repair or replace components of membrane roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks.
  - 1. Special warranty includes roofing membrane, base flashings, fasteners, and other components of membrane roofing system.
  - 2. Warranty Period: 20 years from date of Substantial Completion.

### **PART 2 - PRODUCTS**

### 2.1 MANUFACTURERS

- A. In other Part 2 articles where subparagraph titles below introduce lists, the following requirements apply for product selection:
  - 1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

### 2.2 EPDM ROOFING MEMBRANE

- A. EPDM Roofing Membrane: ASTM D 4637, Type I, nonreinforced uniform, flexible sheet made from EPDM, and as follows:
  - 1. Available Manufacturers:
    - a. Carlisle SynTec Incorporated.
    - b. Firestone Building Products Company.
    - c. GenFlex Roofing Systems.
    - d. John Mansfield.
    - e. Versico Inc.
  - 2. Thickness: 60 mils (1.5 mm), nominal.
  - 3. Exposed Face Color: Black.

### 2.3 AUXILIARY MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with membrane roofing.
  - 1. Liquid-type auxiliary materials shall meet VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: 60-mil- (1.5-mm-) thick EPDM, partially cured or cured, according to application.
- C. Bonding Adhesive: Manufacturer's standard bonding adhesive.
- D. Seaming Material: Manufacturer's standard synthetic-rubber polymer primer and 3-inch- (75-mm-) wide minimum, butyl splice tape with release film.
- E. Lap Sealant: Manufacturer's standard single-component sealant, color to match roofing membrane.

- F. Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
- G. Metal Termination Bars: Manufacturer's standard predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch (25 by 3 mm) thick; with anchors.
- H. Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane to substrate, and acceptable to membrane roofing system manufacturer.
- I. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.
- J. Single-Component Nonsag Urethane Sealant
  - 1. Available Products:
    - a. Sika Corporation, Inc.; Sikaflex 1a.
    - b. Sonneborn, Division of ChemRex Inc.; Ultra.
    - c. Sonneborn, Division of ChemRex Inc.; NP 1.
    - d. Tremco; Vulkem 116.
  - 2. Type and Grade: S (single component) and NS (nonsag).
  - 3. Class: 25.
  - 4. Uses Related to Exposure: T (traffic) and NT (nontraffic). Uses Related to Joint Substrates: M, G, A, and O.

### 2.4 RIGID ROOF INSULATION (See Allowances and Unit Prices)

- A. General: Provide preformed roof insulation boards that comply with requirements and referenced standards, selected from manufacturer's standard sizes and of thicknesses indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, felt or glass-fiber mat facer on both major surfaces.
  - 1. Available Manufacturers:
    - a. Apache Products Company.
    - b. Atlas Roofing Corporation.
    - c. Firestone Building Products Company.
    - d. Hunter Panels, LLC.
    - e. Johns Manville International, Inc.
    - f. Polyisocyanurate insulation as recommended and approved by the manufacturer of the EPDM membrane roofing system.
  - 2. Thickness: 2" minimum (existing damaged insulation replacement).
  - 3. Board size: 4' x 4' (Adhered Insulation) or 4' x 8' (Mechanically Attached Insulation).

### 2.5 TAPERED ROOF INSULATION CRICKETS

- A. General: Provide factory-tapered insulation boards, saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricated to slope of 1/2 inch per 12 inches, unless otherwise indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, felt or glass-fiber mat facer on both major surfaces.
  - 1. Available Manufacturers:
    - a. Apache Products Company.
    - b. Atlas Roofing Corporation.
    - c. Firestone Building Products Company.

- d. Hunter Panels, LLC.
- e. Johns Manville International, Inc.
- f. Polyisocyanurate insulation as recommended and approved by the manufacturer of the EPDM membrane roofing system.

### 2.6 ROOF INSULATION COVERBOARD

- A. General: Provide preformed roof insulation boards that comply with requirements and referenced standards acceptable to the roofing membrane manufacturer for a 20 year warranty period.
  - 1. Products: High density, closed-cell polyisocyanurate foam core laminated to a premium-performance, coated-glass fiber-mat facer. Subject to compliance with requirements, provide products by one of the following.
    - a. Carlisle Syntec Incorporated "SecurShield HD"
    - b. Firestone Building Products Company "ISOGARD HD"
  - 2. Board size: 4' x 4' (Adhered Insulation) or 4' x 8' (Mechanically Attached Insulation).
  - 3. Thickness: 1/2"

### 2.7 INSULATION ACCESSORIES

- A. General: Furnish roof insulation accessories recommended by insulation manufacturer for intended use and compatible with membrane roofing.
- B. Heavy-Duty Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.
  - 1. Material: SAE 1022, Heat Treated Steel
  - 2. Thread Size: .260" (6.6 mm)
  - 3. Threads/Inch: 13
  - 4. Thread Design: Buttress Thread.
- C. Cold Fluid-Applied Adhesive: Manufacturer's standard cold fluid-applied adhesive formulated to adhere roof insulation to substrate or the following products if approved by the manufacturer.
  - Dow Chemical Co. "Insta-Stik Roofing Adhesive".
  - 2. Olympic Manufacturing Group "OlyBond Adhesive Fastener".

### 2.8 WALKWAYS

A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, solid-rubber, slip-resisting, surface-textured walkway pads, approximately 3/16-inch thick, and acceptable to membrane roofing system manufacturer.

### 2.9 PIPE SUPPORTS

A. Pipe supports required shall be prefabricated stainless steel pipe roller supports, Model X-R-AH-SS, where "X" indicates size necessary for proper support of the pipe at that location, as manufactured by Miro Industries, Inc. (800) 768-6978. Recommended spacing is 8' to 15' of pipe between pipestands and in a manner to evenly distribute the load at each pipestand.

### **PART 3 - EXECUTION**

### 3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of roofing system:

- 1. Verify that roof openings and penetrations are in place and set and braced.
- 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation composite.

### 3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering into and from spilling or migrating onto surfaces of other construction.
- C. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

### 3.3 INSULATION INSTALLATION (ACOUSTICAL STEEL DECK)

- A. Remove existing 2" polyisocyanurate roof insulation and cut to size 4' x 4' if required by insulation adhesive manufacturer.
  - 1. Inspect existing 2" polyisocyanurate for wetness or deterioration. Upon verification replace unsuitable insulation with new 2" polyisocyanurate.
- B. Inspect existing acoustical steel deck sound-absorbing insulation and verify that it will not interfere with the adhesion of the existing 2" polyisocyanurate to the deck.
- C. Adhere the existing 2" polyisocyanurate roof insulation to the acoustical steel deck with an approved cold fluid-applied adhesive.
- D. Adhere new roof insulation crickets over the existing 2" polyisocyanurate with an approved cold fluid-applied adhesive.
- E. Adhere new roof insulation cover boards and new crickets with an approved cold-fluid applied adhesive.
  - 1. Install cover boards with joints staggered from the underlying polyisocyanurate roof insulation and crickets a minimum of 6-inches in each direction.
  - 2. Cover boards shall be neatly fitted to all roof penetrations, projections, etc.
- F. No more insulation shall be installed than can be covered with membrane or underlayment and completed before the end of each day's work or before the onset of inclement weather.

### 3.4 INSULATION INSTALLATION (STEEL DECK)

- A. Inspect existing 2" polyisocyanurate for wetness or deterioration. Upon verification replace unsuitable insulation with new 2" polyisocyanurate.
- B. Install new roof insulation crickets over the existing 2" polyisocyanurate.
- C. Install new roof insulation cover boards over the existing 2" polyisocyanurate and new crickets.
  - 1. Install cover boards with joints staggered from the underlying polyisocyanurate roof insulation and crickets a minimum of 6-inches in each direction.
  - 2. Cover boards shall be neatly fitted to all roof penetrations, projections, etc.

- D. Secure the entire insulation assembly to the steel deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to steel roof deck.
  - 1. Fasten insulation assembly according to requirements in FMG's "Approval Guide" for specified windstorm resistance classification.
  - 2. Fasten insulation to resist uplift pressures at corners, perimeter, and field of roof.
- E. No more insulation shall be installed than can be covered with membrane or underlayment and completed before the end of each day's work or before the onset of inclement weather.

### 3.5 ADHERED ROOFING MEMBRANE INSTALLATION

- A. Install roofing membrane over area to receive roofing according to membrane roofing system manufacturer's written instructions. Unroll roofing membrane and allow to relax before installing.
- B. Start installation of roofing membrane in presence of membrane roofing system manufacturer's technical personnel.
- C. Accurately align roofing membrane and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Bonding Adhesive: Apply bonding adhesive to substrate and underside of roofing membrane at rate required by manufacturer and allow to partially dry before installing roofing membrane. Do not apply bonding adhesive to splice area of roofing membrane.
- E. Mechanically or adhesively fasten roofing membrane securely at terminations, penetrations, and perimeter of roofing.
- F. Apply roofing membrane with side laps shingled with slope of roof deck where possible.
- G. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape, and firmly roll side and end laps of overlapping roofing membranes according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of roofing membrane terminations.
- H. Repair tears, voids, and lapped seams in roofing that does not meet requirements.

### 3.6 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories and adhere to substrates according to membrane roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate and allow to partially dry. Do not apply bonding adhesive to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

### 3.7 JOINT-SEALANT APPLICATION

- A. Joint Sealant: Install Single-component nonsag urethane sealant as recommended by the manufacturer.
- B. Joint-Sealant Color: Where exposed, as selected by Roof Consultant from manufacturer's full range.

### 3.8 WALKWAY INSTALLATION

A. Flexible Walkways: Install walkway products in locations indicated. Adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

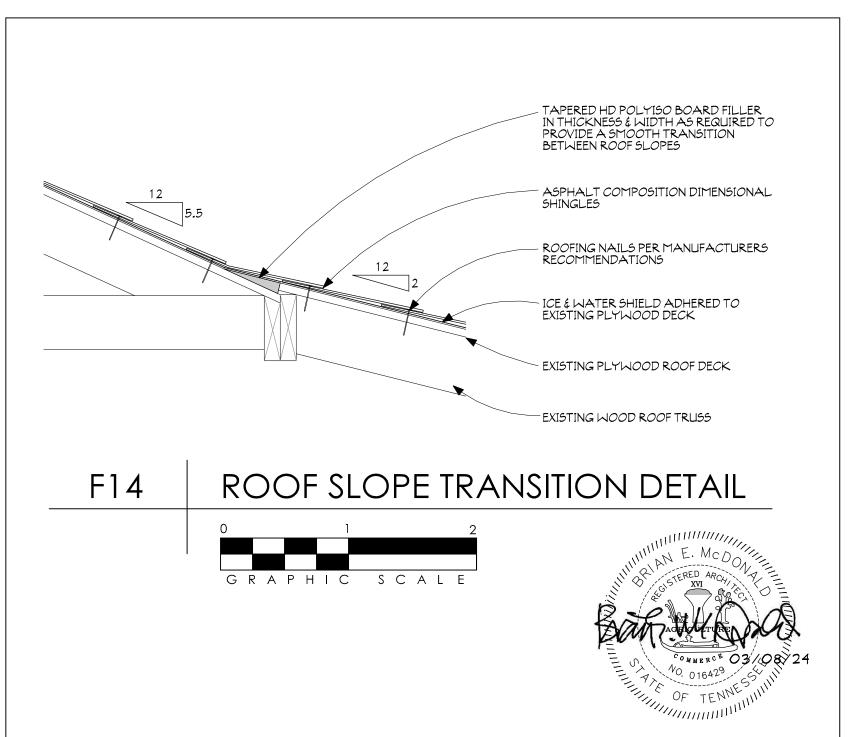
### 3.9 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion and submit report to Roof Consultant.
  - 1. Notify Roof Consultant 48 hours in advance of date and time of inspection.
- B. Repair or remove and replace components of membrane roofing system where test results or inspections indicate that they do not comply with specified requirements.

### 3.10 PROTECTING AND CLEANING

- A. Protect membrane roofing system from damage and wear during remainder of construction period. When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Roof Consultant.
- B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements, repair substrates and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

### **END OF SECTION 07 53 23**





Email: mail@rdwi.net



# PARTIAL ROOF REPLACEMENTS ANDERSON COUNTY BOARD OF EDUCATION

**ZERO BUILDING** 

DATE 03-08-24
REF. DWG. R1.3
PIN 23019
REV. RR-